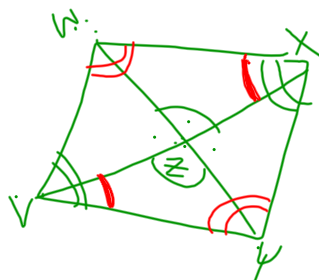
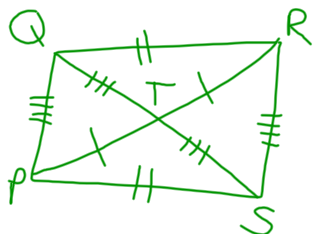


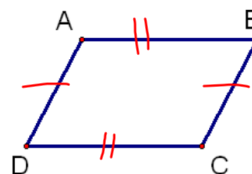
Take out last night's hw



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6.3 Showing Quadrilaterals are Parallelograms

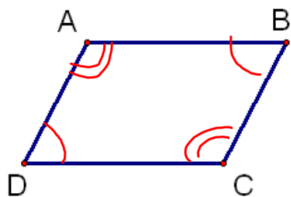
Theorem 6.6 **B.**  
If both pairs of opposite sides are  $\cong$ , then the quadrilateral is a parallelogram.



Theorem 6.7

(C.)

If both pairs of opposite  $\angle$ s are  $\cong$ , then the quadrilateral is a parallelogram.



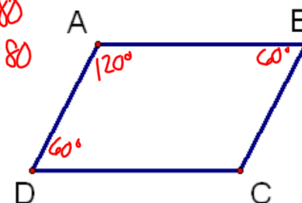
Theorem 6.8

(E.)

If consecutive  $\angle$ s are supplementary, then the quadrilateral is a parallelogram.

$$m\angle A + m\angle B = 180$$

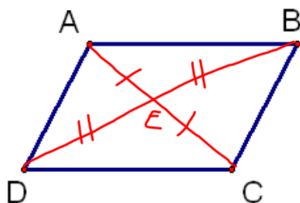
$$m\angle A + m\angle D = 180$$



Theorem 6.9

(D.)

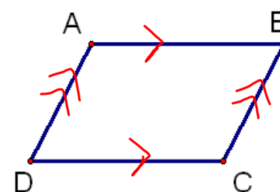
If the diagonals bisect each other, then the quadrilateral is a parallelogram.



Parallelogram--If a quadrilateral has both pairs of opposite sides parallel, then it is a parallelogram

(def. of a parallelogram)

(A.)



5 Ways to show a quadrilateral is a parallelogram

A. Definition of a parallelogram



B. Both pairs of opposite sides are



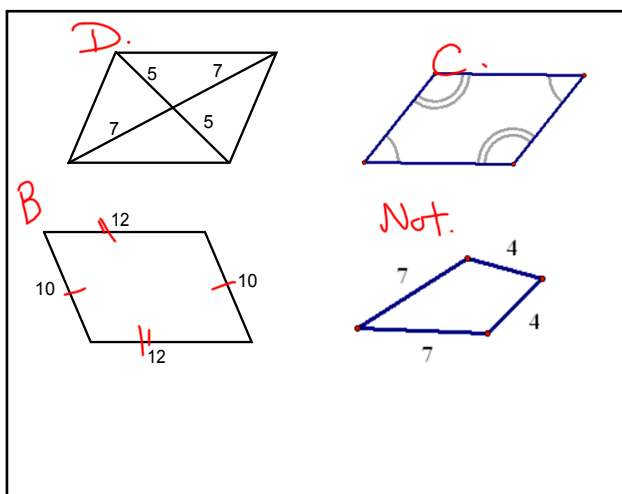
C. Both pairs of opposite angles are



D. Diagonals bisect each other



E. Consecutive angles are supplementary



ws examples

1. B

7. C

2. C

3. Not

4. A

5. D

6. E

8. E

9. A

10. Not

11. Not

12. B

13. D

14. Not

HW p.320-321 #s 5-19

\* Ch 5 end of NB

